DOCUMENT RESUME

ED 067 387 SP 005 880

AUTHOR	Mathieson, Moira B.
TITLE	A Bibliography of Bibliographies on Career and Vocational Education: Part II of the ERIC Clearinghouse on Teacher Education Project on Careers Education.
INSTITUTION	ERIC Clearinghouse on Teacher Education, Washington, D.C.
SPONS AGENCY	National Center for Educational Research and Development (DHEW/OE), Washington, D.C.
BUREAU NO	BR-8-0490
PUB DATE	Oct 72
CONTRACT	OEC-0-8-080490-3706(010)
NOTE	47p.
EDRS PRICE	MF-$0.65 HC-$3.29
DESCRIPTORS	*Bibliographies; *Career Education; *Foreign Countries; *Occupational Guidance; *Vocational Education

ABSTRACT

This bibliography is the second of a series of publications on career education to be prepared by the ERIC Clearinghouse on Teacher Education. The main body of the bibliography contains 65 items arranged alphabetically by author, with an additional section of 16 items of material from foreign countries. Each entry contains a full bibliographic citation together with the abstract published in "Research in Education." There are also indexes for subject matter and institutions and a cross reference listing between the ERIC (ED) numbers and the entry number in the bibliography. (MBM)

ED 067387

A BIBLIOGRAPHY OF BIBLIOGRAPHIES ON CAREER AND VOCATIONAL EDUCATION: PART II OF THE ERIC CLEARINGHOUSE ON TEACHER EDUCATION PROJECT ON CAREER EDUCATION

by Moira B. Mathieson

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION
THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION POSITION OR POLICY

Published by
ERIC Clearinghouse on Teacher Education
Number One Dupont Circle, N.W.
Washington, D.C. 20036

Sponsored by: American Association of Colleges for Teacher Education (fiscal agent); Association of Teacher Educators, national affiliate of the National Education Association, Council on Instruction and Professional Development, NEA

October 1972

SP 005 880

TABLE OF CONTENTS

Foreword v

Abstract vii

ERIC Descriptors xii

Introduction 1

Bibliography 2

Subject Index. 31

Institution Index. 35

Cross Reference. 38

About ERIC 39

ERIC Ordering Blank. 40

FOREWORD

This bibliography is part 2 of a project on career and vocational education undertaken by the ERIC Clearinghouse on Teacher Education under special funding provided by the National Center for Educational Communications, U.S. Office of Education (whose functions have been largely transferred to the National Institute of Education). The effort is to bring together ideas and information which can enable the nation to help its prospective citizens to gain an understanding of the economic, psychological, and social implications of work. The related activities in the project are a bibliography of teacher education programs in career vocational education; (b) an in-depth survey of existing programs for teacher education in career and vocational areas; (c) proposals for future developments; (d) a paper on the theory and rationale of career education; and (e) an "anthology" of personal reactions to the concept of career education. The overall impact of the project, hopefully, can be rather strong: a better understanding of the implications of career education, identification of gaps in the idea and knowledge base to be filled, and motivation to take action on every level in education.

The activities of this project, then, are essentially to create a clearer picture of the state-of-the-art now. As always, the expectation is that needed actions can more intelligently follow. Our initial conclusion is that there is a dearth of bonafide career education material reported in the ERIC system or available elsewhere. While there are many, many documents on vocational and technical education, there appears to be little bonafide documentation of the field of career education broadly conceived.

You may do further research on this topic by checking issues of Research in Education (RIE) and Current Index to Journals in Education (CIJE). Both RIE and CIJE use the same descriptors (index terms). Documents in RIE are listed in blocks according to the clearinghouse code letters which processed them, beginning with the ERIC Clearinghouse on Adult Education (AC) and ending with the ERIC Clearinghouse on Vocational and Technical Education (VT). The clearinghouse code letters, which are listed at the beginning of RIE, appear opposite the ED number at the beginning of each entry. "SP" (School Personnel) designates documents processed by the ERIC Clearinghouse on Teacher Education.

In addition to using the ERIC Thesaurus, RIE, CIJE, and various ERIC indexes, you will find it helpful to be placed on the mailing list of the ERIC clearinghouses which are likely to abstract and index as well as develop publications pertinent to your needs and interests. The newsletters are provided on a complimentary basis on request to the individual clearinghouses.

For readers uncertain how to use ERIC capabilities effectively, we recommend the following materials which are available in microfiche and hardcopy through the ERIC Document Reproduction Service: (a) How To Conduct a Search Through ERIC, ED 036 499, microfiche $.65, hardcopy $3.29; (b) Instructional Materials on Educational Resources Information

Center (ERIC). Part Two. Information Sheets on ERIC, ED 043 580, microfiche $.65; hardcopy $3.29. Item "b" is available as a complimentary item, while the supply lasts, from this Clearinghouse. The last page of this publication is an "ERIC Order Blank" which gives instructions for ordering materials and can be used for ordering.

Joel L. Burdin
Director

October 1972

ABSTRACT

This bibliography is the second of a series of publications on career education to be prepared by the ERIC Clearinghouse on Teacher Education. The main body of the bibliography contains 65 items arranged alphabetically by author, with an additional section of 16 items of material from foreign countries. Each entry contains a full bibliographic citation together with the abstract published in Research in Education. There are also indexes for subject matter and institutions and a cross reference listing between the ERIC (ED) numbers and the entry number in the bibliography.

ERIC DESCRIPTORS

To expand a bibliography using ERIC, descriptors or search terms are used. To use a descriptor: (1) Look up the descriptor in the SUBJECT INDEX of monthly, semi-annual, or annual issue of Research in Education (RIE). (2) Beneath the descriptors you will find title(s) of documents. Decide which title(s) you wish to pursue. (3) Note the "ED" number beside the title. (4) Look up the "ED" number in the "DOCUMENT RESUME SECTION" of the appropriate issue of RIE. With the number you will find a summary of the document and often the document's cost in microfiche and/or hardcopy. (5) Repeat the above procedure, if desired, for other issues of RIE and for other descriptors. (6) For information about how to order ERIC documents, turn to the back pages of RIE. (7) Indexes and annotations of journal articles can be found in Current Index to Journals in Education by following the same procedure. Periodical articles cannot be secured through ERIC.

TOPIC: *"A Bibliography of Bibliographies on Career and Vocational Education: Part II of the ERIC Clearinghouse on Teacher Education Project on Career Education."*

DESCRIPTORS TO USE IN CONTINUING SEARCH OF RIE AND CIJE:

Bibliographies
Career Education
Foreign Countries
Occupational Guidance
Vocational Education

INTRODUCTION

This bibliography, which forms Part II of the ERIC Clearinghouse on Teacher Education Project on Career Education, was developed to make the very extensive material in the ERIC system on the whole subject of vocational education readily available. It is intended essentially as a supplement to Part I, the *Abstract Bibliography of Teacher Education Programs* and provides access to the additional documents which, while not directly concerned with teacher education, can provide necessary and valuable background material.

Each entry contains a full bibliographic citation together with the abstract published in *Research in Education*. The entries are listed alphabetically by author, with a separate section of 16 items dealing with material from foreign countries. There are indexes on subjects and institutions, and a cross reference listing between the ERIC (ED) numbers and the entry number in the bibliography.

Special attention should be drawn to items 13, 14, 15, 16 and 17, all prepared by the Center for Vocational and Technical Education at Ohio State University, as together these entries cover an exceptionally extensive collection of documents. These include seven issues of *Abstracts of Instructional Materials in Vocational and Technical Education (AIM)* (13), which announces the availability of instructional materials processed by the ERIC Clearinghouse on Vocational and Technical Education; five issues of *Abstracts of Research and Related Materials in Vocational and Technical Education (ARM)* (14), from the same source; five microfiche collections which include documents processed by the Clearinghouse on Vocational and Technical Education between spring 1970 and spring 1971 with indexes, abstracts, and the complete text of the documents (15); and cumulative indexes to the AIM and ARM collections (16 and 17). These five entries alone provide access to an astonishing amount of material, but while none of the other entries can compete in terms of volume, they serve to pinpoint material on specific subjects, such as city government, computer science, or handicapped children, and also provide indications of which individuals and institutions are working in these areas.

The foreign section includes material from Tunisia, Sweden, Poland, Canada, Ceylon, India, Pakistan, Thailand, Holland, and Yugoslavia. While we make no claim that these entries provide a comprehensive picture of the international situation in career and vocational education, they do give valuable insights into the problems facing other countries.

BIBLIOGRAPHY

1. Adult Education Association of U.S.A. Continuing Education of Women. Washington, D.C.: Adult Education Association of U.S.A.; Syracuse, N.Y., Syracuse University, September 1970. 76 p.
ED 042 122

This annotated bibliography of about 150 items on women's continuing education begins with descriptions of a newsletter and three bibliographies, followed by documents on sex differences in ability, achievement, and role perception. Four other sections cover employment related interests and needs, women's participation in programs by universities and voluntary organizations, guidance and counseling, low income and otherwise disadvantaged women, and homemaking education activities and needs. Finally, the state of women's education in France, India, Thailand, Tunisia, Australia, the Soviet Union, Chile, Peru, East Africa, and other nations and regions is reviewed and evaluated. Also included is a list of ERIC/AE publications.

2. Adult Education Association of U.S.A. Training Law Enforcement Personnel. Washington, D.C.: Adult Education Association of U.S.A.; Syracuse, N.Y.: Syracuse University, October 1971. 29p.
ED 054 400

This annotated bibliography contains 36 items on training of staff of law-enforcement personnel and police-community relationships. Most of the documents are from 1967-1970.

3. Altman, Reuben, and others. Bibliography of Cooperative Work/Study Programs for the Mentally Retarded Throughout the United States. Austin: University of Texas, College of Education, May 1970. 64p.
ED 040 550

Items in the bibliography are grouped into six categories according to type of item: publications in scholarly journals, books and bibliographies, state guidelines and state agency cooperative agreements, publications of public and private agencies including individual work study plans not presented in state guidelines, proceedings of institutes, symposiums, and other conferences, research reports including reports of research and demonstration projects by author and/or principal investigator, and dissertations. The literature is also classified by states.

4. American Association of School Administrators. ERIC Abstracts: A Collection of ERIC Document Resumes on Developing Vocational Education Programs in the Public Schools. ERIC Abstracts Series, Number 17. Washington, D.C.: the Association; Eugene: University of Oregon, ERIC Clearinghouse on Educational Administration, March 1971. 43p.
ED 048 664

ERIC abstracts on vocational education programs in the public schools, announced in RIE through February 1971, are presented. The descriptors used in compiling this collection are "cooperative education," "distributive education," "vocational education," and "work experience programs". The following information is presented for each document: author, title, place of publication, publisher, publication date, number of pages, ERIC document (ED) number, price and availability and abstract. A subject index is cross-referenced with the document listings.

5. Arizona State Employment Security Commission. Manpower Information: An Annotated Bibliography. Phoenix: the Commission, April 1970. 38 p.
ED 041 124

This annotated bibliography is composed of 196 citations which primarily represent the period from 1960 to 1970. It presents a variety of sources on local and national manpower information. Listings are arranged alphabetically according to author under the general divisions of population, manpower information, economic information, labor force information, occupational information, education and training, health and welfare, catalogs of manpower information, and other manpower information sources. Entries include books, periodical literature, and monographs. Information on the availability of the literature cited includes the publishers and addresses.

6. Astin, Helen S., and others. Women: A Bibliography on Their Education and Careers. New York, N.Y.: Institute of Life Insurance; Washington, D.C.: University Research Corporation, Information Clearinghouse on New Careers, 1971. 243 p.
Publisher's Price: $5.95; available from Human Service Press, 4301 Connecticut Avenue, N.W., Washington, D.C.
ED 056 271. Not available from EDRS

This annotated bibliography was compiled to facilitate work in the development of a data base on women's education and career development. Primary emphasis was on research conducted during the last decade. Most of the publications abstracted are based on empirical research. However, some historical accounts, policy papers, and articles containing information on today's women's liberation movement are included. The abstracts and annotations are classified according to their main theme or purpose. There are seven main categories: determinants of career choice; marital and familial status of working women; women in the world of work; developmental studies; history and economics of women at work; commentaries and policy papers; and continuing education of women. An eighth category covers miscellaneous materials. The volume includes an author and subject index.

7. Bailey, Larry J., ed. Facilitating Career Development: An Annotated Bibliography. Final Report. Springfield: Illinois State Board of Vocational Education and Rehabilitation,

Vocational and Technical Education Division; Carbondale: University of Southern Illinois, July 1970. 137 p.
ED 042 217

This annotated bibliography presents abstracts of publications which focus on finding new directions for implementing career practices within the classroom. It is limited to programs, practices, and techniques which are operational or have demonstrated potential for enhancing the process of career development. The emphasis is on relevance and applicability for comprehensive programs of occupational and career guidance. Chapter I is concerned with theoretical implications, applications, and a survey of computer based guidance systems. Chapter II summarizes many new models and techniques for guidance which view vocational behavior as a developmental process rather than as an event. The material in Chapter III deals with career development conferences, and Chapter IV describes examples of programs designed to realize the ultimate criteria of a vocationally mature individual. Chapter V discusses career exploration achieved vicariously via games, simulation practices, and guidance kits which encourage student activity and involvement. The intent of Chapter VI is to summarize recently developed instruments for measuring vocational behavior, and Chapter VII illustrates the preponderance of approaches for providing occupational information and orientation.

8. Baldridge, J. Victor. Organizational Change Processes: A Bibliography With Commentary. California: Stanford University, Center for Research and Development in Teaching, January 1970. 19p.
ED 036 908

This bibliography deals with a wide variety of organizational dynamics and is related to the definition of organizational change developed by the Stanford Center's organizational change project. This definition, discussed in detail, focuses on deliberate change instituted to reformulate official policy. A topical outline of the bibliography is provided. Included under the heading "General Problems of Analyzing Organizational Change" are discussions of reasons why organizational theorists have generally neglected the problem of organizational paradigms, deliberate action by authorities and partisans, organizational conflict as a promoter of change, and the interrelation of organizational subsystems. Included under the heading "Changes in Various Subsystems" are discussions of changing organizations by changing individuals, partisan groups of agents of organizational change, system changes planned by authorities (long-range planning and decision making), technology as a source of organizational change, and the organization and its environment.

9. Brooks, Thomas R. Labor and Migration: An Annotated Bibliography. Brooklyn: City University of New York, Brooklyn College, February 1970. 40 p.
ED 044 500

This annotated bibliography is intended to contribute toward an understanding of labor and migration, both of which have helped to shape our nation. A total of 131 works, including a few periodicals and newspapers, focus on immigration and internal migration as they affect organized and unorganized labor.

10. Brown, Monica V., and Carol J. Harten. Health Manpower Planning. Exchange Bibliography No. 134. Monticello, Ill.: Council of Planning Librarians, June 1970. 18p.
ED 045 804

This bibliography presents 208 citations of periodical articles, monographs, research reports, and related documents which pertain to health manpower planning and range in date from 1952 to 1969. Listings are arranged alphabetically by author.

11. Bruemmer, Linda. "The Condition of Women in Society Today: Annotated Bibliography", Journal of the National Association of Women Deans Counselors, 33:89-95; Winter 1970.

12. Carpenter, Earl T., and John H. Rodgers. Review and Synthesis of Research in Agricultural Education. Research Series No. 59. Columbus: Ohio State University, Center for Vocational and Technical Education, June 1970. 90p.
ED 040 275

To obtain an overview of research in agricultural education since 1966, approximately 500 studies were reviewed under the topics: philosophy and objectives, manpower needs and employment opportunities, teacher education, learning processes and teaching methods, instructional materials and devices, curriculum development, administration and supervision, educational programs, facilities and equipment, student personnel services, and evaluation. Some conclusions and recommendations include The level of sophistication in research is improving; More research is being conducted by professionals, despite the fact that a majority of the research is undertaken by graduate students; There has been a shift from production agriculture to programs of off-farm agricultural occupations; Means for increasing the impact of vocational guidance services upon students is needed; Trends in off-farm occupations need clarification so that courses and guidance information can be provided; A new philosophical basis for agricultural education, based on sound research techniques, should be developed. The earlier "Review and Synthesis" covering research prior to 1966 is available as ED 011 562.

13. Center for Vocational and Technical Education. Abstracts of Instructional Materials in Vocational and Technical Education (AIM), Winter 1969. Columbus: Ohio State University, 1970. 168p.
ED 037 584

This quarterly publication announces the availability of instructional materials acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education. It should be of particular interest to teachers, curriculum specialists, supervisors, and administrators involved in curriculum development or the use of instructional materials in the teaching-learning setting. Each abstract usually includes the means used to develop the material, the setting for use of the material, and source of available copies. Abstracts are included under the following sections: agricultural, business and office, distributive, health occupations, home economics, industrial arts, technical, trade and industrial, and general vocational and technical education. An author index, document number index, and subject indexes are provided. Most of the documents which have not been announced in RIE are available as a separate microfiche set from the ERIC Document Reproduction Service (VT 010 834). Others are available from the source identified in the abstract. Other related documents are ED 041 159 (spring 1970); ED 042 930 (summer 1970); ED 045 853 (fall 1970); ED 048 514 (winter 1970); ED 052 382 (spring 1971); and ED 053 336 (summer 1971).

14. ---. Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), Spring 1970. Columbus: Ohio State University, 1970. 322p.
ED 039 367

This quarterly publication announces the availability of documents acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education. It contains abstracts of research and other materials which are useful to researchers, supervisors, teacher educators, education specialists, administrators, teachers, and others who have an interest in vocational and technical education. The abstracts are organized by topical groupings: administration and supervision; curriculum; employment and occupations; evaluation and measurements; facilities and equipment; historical studies; individuals with special needs; philosophy and objectives; research design, development, and utilization; students, occupational guidance, and other student personnel services; teachers and teacher education; teaching and learning; and other resources. Indexes provide the approach to the abstracts by personal and institutional authors; document accession number, vocational and supporting services, and 40 subjects. Documents which do not have an individual ED number are available as a separate microfiche set (VT 011 200). Other related documents are ED 042 036 (summer 1970); ED 045 857 (fall 1970); ED 048 516 (winter 1970; ED 051 533 (spring 1971).

15. ---. Microfiche Collection of Clearinghouse Documents Reported in Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), Spring 1970. : Columbus: Ohio State University, 1970. 19,227p.
ED 039 370. HC not available.

Documents announced with VT numbers only in the spring 1970 issue (VT 011 173) of "Abstracts of Research and Related Materials in

Vocational and Technical Education" (ARM) are included in this microfiche set. Microfiche availability for these documents is shown on the ARM resume as MF available in VT-ERIC set. The microfiche set is arranged in the following sequence: A Vocational Technical (VT) number index to documents in the microfiche collection; the author index, the vocational and supporting services index, and the subject index from ARM; and the full text of documents listed in the VT number index. The texts are filmed continuously in VT number sequence. Other related documents are ED 042 060 (summer 1970); ED 045 860 (fall 1970); ED 049 385 (winter 1970); and ED 051 432 (spring 1971).

16. ---. Abstracts of Instructional Materials in Vocational and Technical Education and Abstracts of Research and Related Materials in Vocational and Technical Education. Annual Index. 1969-70. Columbus: Ohio State University, 1970. 134p. ED 042 929

Cumulative indexes to the four issues of "Abstracts of Instructional Materials on Vocational and Technical Education" (AIM) and the four issues of "Abstracts of Research and Related Materials in Vocational and Technical Education" (ARM) published quarterly, fall 1969-summer 1970, are provided in this annual publication. Researchers, supervisors, teacher educators, education specialistis, administrators, and teachers may use this document as a tool in searching by author or by subject for materials acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education. Sections include subject index; personal and institutional author index; vocational and supporting services index; VT number, issue, and page number index; and conversion of document number index.

17. ---. Abstracts of Instructional Materials in Vocational and Technical Education and Abstracts of Research and Related Materials in Vocational and Technical Education. Annual Index, 1970-71. Columbus: Ohio State University, 1971. 701p. ED 057 257

This publication provides combined cumulative indexes to the five issues of "Abstracts of Instructional Materials in Vocational and Technical Education" (AIM) and "Abstracts of Research and Related Materials in Vocational and Technical Education" (ARM) published fall 1970-fall 1971. Researchers, supervisors, teacher educators, education specialists, administrators, and teachers may use this document as a tool in searching by author or by subject for materials acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education. Sections include subject index, personal and institutional authors index, and conversion of document number index cumulative for AIM and ARM from fall 1967 through fall 1971. Within the first two sections, materials are listed by VT identification number, and give the location of the full abstract in AIM, ARM, or if applicable, RIE.

18. Congressional Research Service. New Technology in Education: Selected References. Washington, D.C.: Library of Congress, September 1971. 146p.
ED 056 486

The definition of instructional technology used in this bibliography is based on the definition used by the report of the Commission on Instructional Technology, "to improve learning". Instructional technology in this sense is not confined to the use of specific media, but also includes systematic approaches to the use of human and non-human resources to bring about more effective instruction. The material cited includes books, articles, monographs, and reports published since 1960, with emphasis on materials published since 1965. The bibliography is divided into three parts. Part I contains citations relating to issues, problems, and future uses of educational technology in general. Part II contains references to the various uses of a variety of specific media. Part III cites alternative methods to the organization of instruction.

19. Council for Exceptional Children. Curriculum Guides: Exceptional Child Bibliography Series. Arlington, Va.: the Council, Information Center on Exceptional Children, February 1971. 24p.
ED 051 592

The bibliography contains references to curriculum guides selected from Exceptional Child Education abstracts. One in a series of over 50 similar selected listings, the bibliography cites curriculum guides primarily applicable to the education of the mentally handicapped, aurally handicapped, learning disabled, or gifted. Each entry contains bibliographic data, availability information, indexing and retrieval descriptors, and abstracts. Author and subject indexes are also provided.

20. ---. Vocational Training: Exceptional Child Bibliography Series. Arlington, Va.: the Council, Information Center on Exceptional Children, February 1971. 25p.
ED 053 515

One in a series of over 50 similar listings related to exceptional children, both handicapped and gifted, this annotated bibliography contains 88 references dealing with vocational education and vocational rehabilitation, including such topics as prevocational preparation, work-study programs, sheltered workshops, job placement, and others. Entries, which include texts, journal articles, curriculum guides, research reports, and other literature, were selected from Exceptional Child Education abstracts. Given are bibliographic data, availability information, indexing and retrieval descriptors, and an abstract for each entry. Both an author and a subject index are included.

21. Darcy, Robert L., and Phillip E. Powell. A Basic Manpower Economics Library. Arkadelphia, Ark.: Henderson State College, M.H. Russell Center for Economics Education, September 1970. 9p.
ED 045 475

The 33 publications included in this annotated bibliography are intended to serve as a basic list for a small, but authoritative and balanced library. The materials included run from 1963 to 1970, and in addition to the books, a few appropriate periodicals are included. Selections were made on the basis that junior and senior high school teachers and vocational counselors would be the users. The selections include current and historical information, statistical data, problem identification, and analysis. It should be useful in explaining the major dimensions of the work system, and the broader economic and social world to students. A list of 11 selected sources of free and inexpensive materials is also included.

22. Davis, Harold E. Bibliography of Innovation and New Curriculum in American Two-Year Colleges, 1966-1969 [1970]. 17p.
ED 044 107

This 15-page bibliography represents 165 articles, books, and reports for the period 1966 through 1969. Its contents are organized by the following sections and subsections: curriculum (general); academic: English, science, social science, teaching, and miscellaneous; vocational: aviation, health services, nursing, police-science, and miscellaneous; and miscellaneous: articulation, community services, disadvantaged and remedial, inner city and community, and international and foreign.

23. Dawson, George G. A Suppement to Research in Economic Education: A Bibliography. New York: University of New York, Center for Economic Education, 1970. 20p.
ED 043 535

This supplement to Research in Economic Education (SO 000 262) includes 246 studies initiated since the publication of that bibliography, as well as many that were missed previously. In addition, studies and projects which are now out of date are included because of their possible historical value. They range from very informal projects to highly structured evaluations and experimental studies. The same sources are consulted in compiling this supplement, with the addition of lists of masters theses. Entries are classified by level: elementary, elementary and secondary, secondary, secondary and college, college-adult-teacher training, and general and miscellaneous. No effort is made to evaluate the projects listed.

24. Decrow, Roger, and Nehume Loague, eds. Adult Education Dissertation Abstracts: 1963-1967. N.Y.: University of

Syracuse, ERIC Clearinghouse on Adult Education, January 1971. 309p.
ED 044 537

This bibliography contains citations, abstracts, and ordering information for 505 dissertations pertinent to the education or training of adults. Studies are classified by broad subject headings used in the ERIC Clearinghouse on Adult Education. Each section of the classification is identified by a four digit number, with a one, two, or three digit number for each entry. (Dissertations guided by members of the Commission of Professors of Adult Education bear an asterisk.) Author, institutional, and methodological indexes are provided; evaluation studies are identified by an "I" in the last index. In terms of the number of cross references, the principal subject areas are types of programs (24.1 percent); institutional sponsors (16.4 percent); adult education as a profession (11.9 percent); processes of program planning and administration (11.3 percent), and learning environments and instructional methods or techniques (10.6 percent). Also represented are adult learning, education for particular clientele groups, personnel and staff development in adult education, comparative or international adult education, and (less than 1 percent) kinds of devices, materials, and facilities.

25. Decrow, Roger, and Stanley M. Grabowski, eds. Research and Investigation in Adult Education: 1970 Annual Register. Washington, D.C.: Adult Education Association of U.S.A.; Syracuse, N.Y.: ERIC Clearinghouse on Adult Education, 1970. 258p.
ED 045 866

Embracing 750 items on adult education research and investigation (mostly dated 1969 or 1970), this annotated bibliography covers adult learning characteristics, program planning and administration, learning environments, instructional methods, curriculum materials and instructional devices, personnel and staffing, education of specific clientele groups, special program areas, professional and technical continuing education, management and supervisory development, occupational training, labor education, institutional sponsors, and international perspectives in adult education. Sections within the above categories are identified by four digit numbers with a sequential item number for each entry. Cross references are made to other closely related sections (four digit classification numbers) and to other entries throughout this research register. Also included are an author index, a note on availability of documents, an ERIC document reproduction service order blank, and a listing of other publications by the ERIC Clearinghouse on Adult Education.

26. Department of Labor. Cost-Benefit Analysis: Theory and Application to Manpower Training Programs. A Bibliography. Washington, D.C.: Department of Labor Library, May 1971. 44p.
ED 054 363. Not available from EDRS

This annotated bibliography includes citations of books, mongraphs, periodicals, government reports, and publications as related to cost-benefit analysis of manpower training programs. Major sections of the bibliography are theory and methodology of cost-benefit analysis; application of cost-benefit analysis to manpower training programs--examples from reports of Manpower Development and Training Act programs and other related literature; and bibliographies relating to cost-benefit analysis (both theoretical and applied) with special consideration given to manpower training programs. Listings are arranged alphabetically by author as well as by form (books, monographs, and periodicals) and include title, publisher, date, page listing, and annotation. Researchers interested in evaluating educational programs on the basis of cost-benefit should find this bibliography to be a valuable resource.

27. Ellison, John W. An Annotated Bibliography of Materials Designed and Organized for Adult Use in Discussion Groups. Dayton, Ohio: Wright State University, 1970. 135p.
ED 044 603

This first annotated bibliography of materials designed and organized for adult use in discussion groups includes both book and nonbook materials. Areas dealt with are art, censorship, change, child guidance, communication, crime, democracy, economics, education, evolution, food, foreign affairs, forgetting, generation gap, gold, good and evil, human behavior, immigration, justice, labor, leadership, marriage, medicine, military, poetry, politics, poverty, religion, science, social issues, technology, women, and world affairs. Sources and costs are included, and there is a listing of publishers and addresses. The terms "designed" and "organized" reflect two distinct notions. "Designed" refers to materials specifically written, produced, or prepared for adult discussion groups. "Organized" refers to materials selected for adult discussion groups but not specifically written, produced, or prepared for their use.

28. ERIC Clearinghouse on Adult Education. Programmed Instruction in Business and Industry, Current Information Sources, No. 28. Syracuse, N.Y.: the Clearinghouse, April 1970. 47p.
ED 035 789

Covering the period since 1960, this annotated bibliography contains 97 items (most with abstracts) relevant to programmed instruction in business and industry. The following appear: 12 bibliographies, directories, and information sources, both foreign and domestic; general considerations of programmed instruction as a training technique (26 entries); 30 descriptions of programs in office occupations education, anesthesiology, military electronics training, vocational retraining, manpower devleopment, and other areas; 22 research and evaluation studies, largely in various phases of military training; program outlines and other instructional materials. Also included are notes on document availability, a list of ERIC Clearinghouse on Adult Education publications, and an order blank.

29. ---. Occupational Training for Disadvantaged Adults. Current Information Sources, 29. Syracuse, N.Y.: the Clearinghouse, April 1970. 109p.
ED 036 676

This annotated bibliography contains about 260 entries on various aspects of occupational training for disadvantaged adults. Bibliographies and information sources are listed first. These are followed by sections on problems of the disadvantaged; federal programs; national policies; job training and skills programs (including some program descriptions); paraprofessional and new careers programs; trainee characteristics (demographic, psychological, motivational, social) and their influence on training; instructional materials; guides and teacher's manuals; and evaluation studies of various types, including followup, prediction of success, and cost effectiveness.

30. ---. ERIC Clearinghouse on Adult Education: Publications, 1969-1970. Syracuse, N.Y.: the Clearinghouse, October 1970. 20p.
ED 042 962

Beginning with general information on the scope and subject coverage of the ERIC Clearinghouse on Adult Education and on principal periodicals covering the literature, this annotated bibliography lists 74 literature reviews, research registers, ERIC/AE current and basic information sources, Central ERIC and Government Printing Office publications, and other documents. Such subject areas and concerns as adult educator preparation, aging, community education, management development, industrial training, programmed instruction, professional continuing education, and foreign adult education are represented. Prices and order numbers are given. Also included is the ERIC Documents Reproduction Service Order form.

31. ERIC Clearinghouse on Counseling and Personnel Services. Retaining Students in Training. A Bibliography. Ann Arbor, Mich.: the Clearinghouse, June 1970. 9p.
ED 039 373

This annotated bibliography presents materials related to the problem of retaining students in vocational education programs. Such factors as student attitudes, abilities, and motivations are considered as possible factors related to retention. Sources include journal articles, doctoral dissertations, books, and ERIC materials. The literature dates from 1962 to 1969.

32. ---. Guiding Students into Vocational Curricula. A Bibliography. Ann Arbor, Mich.: the Clearinghouse, June 1970. 10p.
ED 039 374

Guidance of students into vocational curricula is the focus of this annotated bibliography. The materials included describe factors related

to student success and satisfaction with specific vocational programs and guidance procedures for helping students select vocational programs. The materials represent both research studies and descriptions of programs and procedures. Sources identified include ERIC materials, journal articles, doctoral dissertations, and books. The materials date from 1963 to 1970.

33. ---. Matching Students and Careers. A Bibliography. Ann Arbor, Mich.: the Clearinghouse, June 1970. 12p.
ED 039 375

This annotated bibliography contains materials related to such topics as worker characteristics and factors influencing success in jobs, student characteristics and attitudes as predictors of job success, and techniques of communicating information to students in order to help them make career choices. The materials cited represent research studies and descriptions of programs and procedures. Sources also include journal articles, ERIC materials, books, and doctoral dissertations. The materials date from 1963 to 1970.

34. Finch, Curtis R., and others. Reviews and Bibliographies Related to Research in Vocational-Technical Education: A Selective Bibliography with Annotations. University Park: Pennsylvania State University, Department of Vocational Education, June 1971. 22p.
ED 052 383

This document contains 74 annotated bibliographic entries related to research in Vocational-Technical education. The document does not represent an extensive search, is not intended to benefit all persons equally, and no plans are being made to up-date the contents; however, it should be of considerable value to persons concerned with research activities in the vocational-technical field.

35. Flaherty, Jane F., comp. Resources for the ESL Teacher. Union, N.J.: Newark State College, Adult Education Resource Center, September 1970. 22p.
ED 053 590

This document lists resources available to teachers of English as a second language (ESL), mainly in the field of adult education. Included are textbooks and reading materials, filmstrips, audiovisual aids, and professional readings for ESL and adult basic education teachers. A section on ESL test preparation and reference on testing are included. There are also lists of organizations and resource centers for ESL teachers.

36. Gorman, Anna M., and Joel Magisos. Bibliography of Research on Consumer and Homemaking Education. Final Report. Columbus: Ohio State University, Center for Vocational and Technical

Education, June 1970. 69p.
ED 039 336

The 168 entries of research in consumer and homemaking education, with publication dates ranging from 1959-1969, are arranged alphabetically by author and title within eight sections. Research reports, program descriptions, instructional materials, bibliographies, dissertations, and conference proceedings are included, classified by the following: consumer education, disadvantaged, evaluation, homemaking education, research methodology, teacher education, vocational education, and wage-earning home economics. The sources of the entries were the first four volumes of Research in Education and first nine issues of "Abstracts of Research and Related Materials in Vocational and Technical Education." All documents are available on microfiche or hard copy from the ERIC Document Reproduction Service unless other information is provided with the citation.

37. Gorman, Ann M., and Doris E. Manning. A Listing of Data Collection Instruments for Use in Research in Home Economics Education: 1962-1969. Columbus: Ohio State University, Center for Vocational and Technical Education, May 1971. 104p.
ED 050 275

A total of 168 research studies, published since 1962 and using data collection instruments suitable for home economics research, were selected through a computer search of Educational Resources Information Center (ERIC) publications and a manual search of non-ERIC publications. Entries are organized according to these categories: manpower needs and employment opportunities, curriculum development, educational programs, instructional materials and devices, learning process and teaching methods, student personnel services, facilities and equipment, teacher education, administration and supervision, and evaluation. Entries selected from ERIC publications include author, title, publication date, selected parts of an abstract, ERIC document number, and pagination, while non-ERIC entries include author, title, publication date, selected parts of an abstract, and degree-granting institution. Author and subject indexes, ordering information, and criteria for inclusion in this bibliography are included.

38. Grabowski, Stanley M., ed. Research and Investigation in Adult Education: 1971 Annual Register. Washington, D.C.: Adult Education Association of U.S.A.; Syracuse, N.Y.: ERIC Clearinghouse on Adult Education, 1971. 348p.
ED 056 263

This annotated bibliography includes 578 items of research or investigation in adult education, most of which are dated 1970 or 1971. They cover adult learning characteristics, program planning and administration, learning environments, instructional methods, curriculum materials and instructional devices, personnel and staffing, education

of particular groups, program areas, professional and technical continuing education, management and supervisory development, labor education, occupational training, institutional sponsors, and international perspectives in adult education. Included is an author index, a note on availability of the documents, an order blank for the ERIC Document Reproduction Service, and a listing of other publications of the ERIC Clearinghouse on Adult Education.

39. Grabowski, Stanley M., and Nehume Loague, eds., Adult Education Dissertation Abstracts: 1968-1969. Syracuse, N.Y.: ERIC Clearinghouse on Adult Education, September 1971. 227p. ED 052 450

This bibliography contains citations, abstracts, and ordering information for 303 dissertations pertinent to the education or training of adults. Studies are classified by broad subject headings used in the ERIC Clearinghouse on Adult Education. Each section of the classification is identified by a four-digit number, with a one, two, or three digit number for each entry. (Dissertations guided by members of the Commission of Professors of Adult Education bear an asterisk.) A descriptive analysis of 297 studies from the years 1968-1969 is given and compared with the analysis of the dissertations from 1963-1967. Author, institutional, and methodological indexes are provided.

40. Grambs, Jean D., and others. Paraprofessionals and Teacher Aides: An Annotated Bibliography. Washington, D.C.: ERIC Clearinghouse on Teacher Education, February 1970. 45p. ED 036 482

The 167 citations included in this annotated bibliography on the training of paraprofessionals and teacher aides are presented under the following headings: general training (71 entries); training aides for specialized roles--preschool and elementary programs, home visits; aides for disadvantaged, adult education, special curriculum and media aides, and volunteers (36 entries); training specific persons as aides--the disadvantaged and the teenager (37 entries); career development programs (12 entries); junior college training programs (8 entries); and bibliographies on training aides (3 entries). In addition to a descriptive annotation, each citation includes information on the price and availability of the document.

41. Jablonsky, Adelaide, ed. The School Dropout and the World of Work: A Review of the ERIC Literature. ERIC-IRCD Urban Disadvantaged Series, Number 11. New York: ERIC Clearinghouse on the Urban Disadvantaged, March 1970. 27p. ED 035 780

This bibliography, the third of a series of five reports of selected literature included in the ERIC system, is comprised specifically of

items relating to the employment problems, programs, and prospects of the school dropout. In addition to the listing being extensively annotated, it is arranged in the following groups: data collection and analysis, program planning, program descriptions, and program evaluation and follow-up. A brief review of "The World of Work" of the school dropout precedes the bibliography.

42. ---. The Job Corps: A Review of the ERIC Literature. ERIC-IRCD Urban Disadvantaged Series, Number 13. New York: ERIC Clearinghouse on the Urban Disadvantaged, March 1970. 33p. ED 036 662

The last of a series of five reports, this annotated bibliography includes a short review of the specific sections in which the bibliographical listings are grouped. The 46 items listed are arranged in the following sections relating to the Job Corps programs: history and need; planning and program descriptions; administration; instruction (reading and other); guidance; and evaluations and recommendations. For the first three reports of this series, see ED 035 778, ED 035 779, and ED 035 780; for a related report, see the following citation.

43. Jablonsky, Adelaide, and Regina Barnes. The Neighborhood Youth Corps: A Review of the ERIC Literature. New York: ERIC Clearinghouse on the Urban Disadvantaged, March 1970. 23p. ED 036 661

This annotated bibliography, the fourth of a series of five reports of selected literature included in the ERIC system, carries a short review on the history and operation of the Neighborhood Youth Corps. The 21 items in the list have the following breakdown: program descriptions, characteristics of participants, evaluation reports, and reaction papers. For the first three reports of this series, see ED 035 778, ED 035 779. and ED 035 780.

44. Jackson. Dorothy G., ed. Research 1971: An Annotated List of SRS Research and Demonstration Grants, 1955-1971. Washington, D.C.: U.S. Department of Health, Education and Welfare, Office of Research, Demonstrations, and Training, 1971. 346p. ED 052 378. Not available from EDRS

This annotated bibliography includes a listing of all the research and demonstration grants of the Social and Rehabilitation Service (SRS) during the period between 1955 and 1971 except that of the Division of Mental Retardation. Topics include research on aging, international programs, child welfare, rehabilitation, social services, public assistance, and cooperative research. All projects are combined under a comprehensive subject index with numerical indexes subdividing them into eight parts. For the convenience of the reader, a section of films lists the projects which have produced films either as their primary purpose or as a by-product of the grant.

45. Jelden, David L., ed. Summaries of Studies in Industrial Arts, Trade and Industrial, and Technical Education from 1930. Washington, D.C.: American Council on Industrial Arts Teacher Education, April 1970. 969p.
ED 037 583

This compilation of abstracts of dissertations and staff studies, alphabetically listed by author in a loose leaf arrangement, is designed to provide the teacher, student, and administrator of industrial arts, trade and industrial, and technical education programs a single source of information regarding the research done in the field from 1930 to the present. Each of the 962 original abstracts include author, title, degree, date, and granting institution. Availability of document, purpose of study, source of data and method of study, and findings and conclusions are included when available. Additional abstracts of studies are planned on an annual basis.

46. ---. Summaries of Studies in Industrial Arts, Trade and Industrial, and Technical Education from 1930. Supplement. Washington, D.C.: American Council on Industrial and Technical Teacher Educators, August 1970. 644p.
ED 049 391. Not available from EDRS

This compilation of abstracts of dissertations and staff studies, listed alphabetically by author in a loose leaf arrangement, is designed to provide the teacher, student, and administrator of industrial arts, trade and industrial education, and technical education programs a single source of information regarding the research done in the field from 1930 to the present. Each of the approximately 650 abstracts include author, title, degree, date, and granting institution. Most of the abstracts list availability of the document, purpose of the study, sources of data, methods of study, and findings and conclusions. This document includes revised abstracts plus new ones and is compiled as a supplement to the original document of 962 abstracts. (See above.)

47. Kelsey, Roger R. AAHE Bibliography on Higher Education. Washington, D.C.: American Association for Higher Education, March 1970. 57p.
ED 038 907

This bibliography lists 1,473 books pertaining to or about higher education exhibited at the American Association on Higher Education's 25th national conference in Chicago. The document is comprised of 16 categorical sections with an introductory annotation at the beginning of each. Publication entries on respective subjects of higher education cover history, philosophy, sociology, and general development--369; organization and administration--112; finance, budget, and business administration--57; faculty personnel--48; directories--27; admission and registration--32; student personnel--184; teaching methods and media--107; learning and psychological factors--72; graduate curricula--176; evaluation and accreditation--53; physical plant--9; libraries--

38; junior colleges--120. A directory of publishers concludes the document.

48. Kleis, Russell J. Bibliography on Continuing Education. East Lansing: Michigan State University, College of Education, May 1970. 45p.
ED 053 367

This is the fourth in a series of annual updatings of the bibliography on continuing education. The bibliography is organized in 10 categories: general overview of continuing education; adult learning and methods of continuing education; social foundations and social significance; continuing education in colleges and universities; continuing education in local communities; adult basic education (fundamental education); continuing education for special groups; comparative studies in continuing education; bibliographies and research in continuing education; and periodicals and special publications. The first eight categories consist principally of books and relate to courses, seminars, and institutes of the program of graduate studies in continuing education at Michigan State University.

49. Lewis, Wiley B. Review and Analysis of Curricula for Occupations in Health. Columbus: Ohio State University, Center for Vocational and Technical Education, November 1970. 38p.
ED 044 507

The 59 publications, identified through a search of ERIC publications and non-ERIC publications, were reviewed and analyzed to identify the major findings, promising developments, strategies, and methodological strengths and weaknesses which exist in curriculums designed for training dental assistants, dental laboratory technicians, hospital attendants, nurses aides, medical and dental technicians, and practical or professional nurses. Current training programs come closer to meeting immediate needs in some health occupational areas than in others. Of the occupational categories reviewed, only dental assistants and hospital attendants can receive training at the secondary level, while the remaining receive training at the post secondary level. Though a number of curricula are available, a major shortcoming is the general lack of a core or cluster curriculum. Curricula for new and emerging occupations should be developed and evaluated through an educational planning system consisting of occupational analysis, program planning, program development and testing, and documentation and dissemination of the results. In addition, to provide and train necessary workers, improved counseling and recruitment programs and techniques will be required.

50. ---. Review and Analysis of Curricula for Occupations in Transportation. Columbus: Ohio State University, Center for Vocational and Technical Education, November 1970. 38p.
ED 045 814

ERIC publications and non-ERIC publications were reviewed and analyzed to identify major findings, promising developments, strategies, and methodological strengths and weaknesses which exist in curricula designed for preparing transportation workers in transportation transport and railroad occupations. There is a need for workers in transportation occupations, but sources of formal training are often limited or nonexistent. The need for workers and the limited availability of training emphasize the need for reassessing priorities in planning educational programs. While curricula and curriculum materials are available for certain occupations, improvements are needed and changes will be necessary. To accomplish improvements and changes, curricula should be developed and evaluated through an educational planning system involving occupational analysis, program planning, program development and testing, and documentation and dissemination of results. In addition to curricula, improved recruiting and counseling materials as well as expansion of present programs will be required.

51. ---. Review and Analysis of Curricula for Occupations in Food Processing and Distribution. Columbus: Ohio State University, Center for Vocational and Technical Education, December 1970, 39p.
ED 045 820

A review and analysis of ERIC and non-ERIC publications was made to assess availability and identify major findings, promising developments, strategies, and methodological strengths and weaknesses which exist in curricula designed for preparing food industry workers. Project national figures and trends reveal that there is a need for educational programs to prepare students to enter food serving, marketing, and processing occupations. However, data concerning personnel needs in a specific employment area should be used to determine if there is a need for these programs. While a number of curricula are available to prepare students for a single occupation or a cluster of occupations, improvements are needed and changes will be necessary. Curricula should be developed and evaluated through an educational planning system composed of occupational analysis, program planning, program development and testing, and documentation and dissemination of results. To provide and train the necessary workers, improved counseling and recruiting materials are needed. The bibliography includes ERIC availability and ordering information for microfiche and hard copy reproduction.

52. Marien, Michael D. Alternative Futures for Learning: An Annotated Bibliography of Trends, Forecasts and Proposals. Syracuse, N.Y.: University of Syracuse Research Corporation and Educational Policy Research Center, 1971. 247p.
ED 051 571. HC not available.

This bibliography of materials relevant to educational policymaking is confined to trends, forecasts, and proposals, i.e., documents on changes

that are taking place, on future states of affairs, and on recommended changes. The material is organized into seven sections: general, elementary and secondary, higher education, other educating institutions, planning and plans, miscellaneous, and addenda. More than 80 percent of the 936 items cited are books or book-length documents. Four indexes are supplied: major author, organization, selected subject, and bibliographic. A related document is ED 047 406.

53. Mathieson, David E. Correspondence Study: A Summary Review of The Research and Development Literature. Syracuse, N.Y.: ERIC Clearinghouse on Adult Education, March 1971. 108p. ED 047 163

Beginning with a historical review of private correspondence schools, supervised high school level programs, military programs (notably the United States Armed Forces Institute), and activities by such university extension luminaries as William Rainey Harper and W.H. Lighty, this literature review covers accreditation and licensing problems, general characteristics of students, educational methods and course design, patterns of student achievement and completion, and innovations in correspondence methodology. Limitations affecting the effective use of correspondence study are assessed, along with the instructor role, steps in planning course content and materials, and the structuring of assignments and instructor response (feedback). Expected trends in the use of programmed instruction, broadcast media, films and other audiovisual resources, small groups, special degree programs, and arrangements for course credits and degrees through examinations are also suggested. Annotated chapter bibliographies contain 164 references.

54. McMahon, Ernest E. Needs--of People and Their Communities--and the the Adult Educator: A Review of the Literature of Need and Determination. Syracuse, N.Y.: ERIC Clearinghouse on Adult Education, July 1970. 86p. ED 038 551

Focusing on community education and development, this literature review analyzes the problem of determining community and individual needs; the issues of relevance to the community; the meaning of need (as opposed to interests or desires); and the use of community studies, listening posts, surveys, and power structure analysis as evaluation tools. The issue of relevance in particular is examined with respect to teaching versus action, disciplines versus the interdisciplinary approach, static programs, and the setting of program objectives. An 88-item annotated bibliography touches on adult basic education, vocational education, rural development, social change, professional continuing education, training design, participation, and other pertinent concerns. ERIC ordering information and a list of publications by the ERIC Clearinghouse on Adult Education are also included.

55. National Advisory Council on Vocational Education. Vocational Education: A Bibliography of Research. Washington, D.C.: the Council, January 1971. 25p.
ED 050 287

This document is a bibliography of research related to vocational education on the national, state, and local levels. The references represented are the materials assembled for the comprehensive "Report of the Analysis Group. HEW Vocational Education Review Task Force," (available as ED 050 291 and ED 050 292) and was prepared during fall 1970. A majority of the studies listed in this bibliography are unpublished reports prepared under contract for the Department of Health, Education, and Welfare. Additionally, materials have also been included that were prepared for congressional committees and for the Departments of Commerce, Labor, and Defense. Arranged alphabetically, individual entries include author, title, page listing, and date. The entries cover the period 1961-70.

56. National Aerospace Education Council. Aerospace Bibliography. Fifth Edition. Washington, D.C.: the Council, January 1970. 103p.
ED 040 882. HC not available.

This fifth edition of NASA's aerospace bibliography presents to elementary and secondary school teachers and to general adult readers an updated list of books, references, periodicals, and other educational materials related to space flight and space science. The arrangement of this edition differs markedly from that of previous editions. Users are advised to refer first to Part I--subject index to locate books and materials on a particular subject, and at a particular suggested reading level. Details about each item listed in the subject index may then be found in Part II--annotated bibliography, which lists all items alphabetically by author or source. For the most part, books listed bear copyright dates beginning with 1967 through fall 1969. Part III contains an annotated bibliography of different reference materials such as atlases, bibliographies, chronologies, dictionaries and encyclopedias. Part IV is an annotated list of periodicals. There is an index to titles, a description of NASA services and a list of addresses of sources of books and other materials.

57. National Civil Service League. An Annotated Bibliography: Public Employment and the Disadvantaged. Washington, D.C.: the League, January 1970. 50p.
ED 042 866

This bibliography lists materials which deal with the role of the disadvantaged in public service. It focuses only on materials generally available to the average researcher and is designed to be of particular use to those whose responsibility it is to hire the disadvantaged. Included in the bibliography is whatever written material is generally available on the selection, testing, training, and employment on all

levels of the public service of disadvantaged persons. The material has been annotated, evaluated, and grouped with a view to what is available; only a few attempts have been made to point out gaps in the field. The sources are grouped as follows: federal sources and commentaries on federal programs, general issues such as social problems and manpower, personnel practices such as fair employment, and specific programs.

58. Nelson, Helen Y. Review and Synthesis of Research on Home Economics Education. Columbus: Ohio State University, Center for Vocational and Technical Education, April 1970. 67p. ED 038 519

The 102 reports of research in home economics education for the period 1965-1969 selected for review were obtained from colleges and universities, state research coordinating units, professional journals, and the ERIC Clearinghouse for Vocational and Technical Education. Reports selected were reviewed under the following categories: philosophy and objectives, manpower needs and employment opportunities, curriculum development, educational programs, instructional materials and devices, learning process and teaching methods, student personnel services, facilities and equipment, teacher education, administration and supervision, evaluation, and research. Research has improved since the 1965 review and synthesis, but there is a continuing need for carefully designed home economics research based on theoretically-derived hypotheses to fill research gaps. More long-range research programs focusing on significant problems and an increase in the amount of time devoted to research are needed. Materials prior to 1965 are reviewed in ED 011 563.

59. New Hampshire State Department of Education. An Annotated Bibliography of Resources in the Fields of Vocational-Technical Education and Vocational Guidance. Concord: the Department, Division of Instruction, March 1970. 36p. ED 038 513

Twenty-nine annotated bibliographies on vocational-technical education and vocational guidance are presented in this report. They are divided into five sections which provide information on trade and industrial education, the disadvantaged child, work experience programs, the dropout, and vocational guidance. The annotations contain information about publisher, author, date of publication, number of pages, and an abstract and indexing terms. All the documents have ED numbers and are available on microfilm from the ERIC Document Reproduction Service.

60. Ohliger, John. Seminar on Adult Education: ED925.33, Winter Quarter 1971. Bibliography. Columbus: Ohio State University, Center for Adult Education, 1971. 39p. ED 047 232

Beginning with the seminar textbook itself ("Pedagogy of the Oppressed" by Paulo Freire), this annotated bibliography lists and describes 45 articles and other works by or about Ivan Illich, his colleagues, and the Center for Intercultural Documentation at Guernavaca, Mexico. Fifty other items deal with such concerns as self-directed adult learning, social and cultural trends, continuing education, and the need for renewal in the overall provision of education.

61. Oregon State Department of Education. Introducing Children to the World of Work. Salem: the Department, July 1971. 20p. ED 052 377

This annotated bibliography has been prepared for librarians, principals, teachers, and counselors interested in developing programs to assist elementary grade pupils to obtain knowledge concerning requirements and opportunities in the world of work. The list is comprised of nonfiction materials which, in part or in full, have pertinent information about specific or general careers. Listings are arranged according to the subject headings: community government and services, industry, transportation, communication, and federal government and services. All of the 101 entries are listed alphabetically under subheadings in each major heading. An alphabetical list of publishers with addresses is included for the convenience of those wishing to order titles listed.

62. Price, Ray G., and Charles R. Hopkins. Review and Synthesis of Research in Business and Office Education. Columbus: Ohio State University, Center for Vocational and Technical Education, April 1970. 120p. ED 038 520

Research and related literature completed during 1966-1968 is reviewed in order to provide researchers, curriculum development specialists, and practitioners with an authoritative analysis. The review is limited primarily to those studies with relevance for business and office preparation in senior high schools and 2-year post secondary schools; however, research relevant to business teacher education is also included. Entries are organized according to the following major topics: philosophy and objectives, manpower needs and employment preparation, curriculum development, educational programs, instructional materials and devices, learning processes and teaching methods, student personnel services, facilities and scheduling, teacher education, administration and supervision, evaluation, and research. A bibliography of the cited materials gives ERIC document numbers for documents available in microfiche or hard copy forms from ERIC Document Reproduction Service. The first edition, covering the period 1960-1966, is available as ED 011 566.

63. Spaeth, Mary A., ed. Bibliography of Publications, 1941-1960. Supplement, 1961-December 1969. Chicago: University of

Chicago, National Opinion Research Center, January 1970. 123p. ED 039 572

A supplement to the bibliography of publications 1941-1960, this listing includes publications from 1961 through December 1969 and supersedes all previously issued supplements. Included are general staff and study-related publications which are organized according to author and subject. Broad subject headings are health and welfare, occupations and professions, political affairs, education, community affairs, religion, and methodology and theory. An analytic listing of the National Opinion Research Center's monographs in social research is included.

64. Sussman, Marvin B., and others. Selected References on Para-Professionalism and Rehabilitation Counseling. Rehabilitation Occupations for the Disadvantaged and Advantaged; A Program of Research on Occupations and Professions in the Field of Rehabilitation. Cleveland, Ohio: Case Western Reserve University, Department of Sociology, May 1971. 53p. ED 056 268

A study is currently being conducted on rehabilitation occupations for the disadvantaged and advantaged. As defined by the study, the "disadvantaged" are those who have had an irregular work history; they tend to be the poor, or minority group members who have not had the education necessary to qualify for any but dead-end jobs. The "advantaged" are older workers who already have extensive job histories, but who are looking for a second, more satisfying career. Both could be candidates for paraprofessional work in rehabilitation, or for training in a professional rehabilitation career. As part of this study, a literature search was conducted to find books, articles, pamphlets, and publications centered around paraprofessional and professional roles. Because not all material in this field could be included, references were selected on the basis of their relevance to the utilization of the paraprofessional. The paper is divided into five areas: professional characteristics, professional/paraprofessional roles and relationships, paraprofessional career ladders and training, client versus organization identification, and community issues. When no author is given, the reference is listed alphabetically by title. The bibliography contains a total of 118 references. An author index is provided.

65. Ury, Claude M. "Books in the Field: Career-Related Guidance for Youth," Wilson Library Bulletin, v44, pp621-631, February 1970.

66. Azzouz, Azzedine, and others. Selected Bibliography of Educational Materials: Algeria, Libya, Morocco, Tunisia. IV, No. 1. Tunis: Tunisia: Agence Tunisienne de Public Relations, 1970. 31p.
ED 038 074

A 100-item bibliography with abstracts of books, newspaper articles, and periodical articles in English and French published predominantly in 1969 offers information of various aspects of education in Algeria, Libya, Morocco, and Tunisia. Emphasis is placed on sections dealing with educational organization in primary, secondary, vocational, and higher education and the structure of educational organization in North Africa. Less extensive sections deal with educational philosophy, administration, statistics, and cooperation; adult, teacher, religious, artistic, and special education; and teaching aids and special problems. English translations of foreign titles are provided, and the country under consideration is noted. For companion documents see ED 026 892, ED 026 920, ED 029 527, ED 031 123, ED 032 818, and ED 034 455.

67. ---. Selected Bibliography of Educational Materials: Algeria, Libya, Morocco, Tunisia. IV, No. 2. Tunis, Tunisia: Agence Tunisienne de Public Relations, 1970. 39p.
ED 041 522. HC not available

A 100-item bibliography with abstracts of books, newspaper articles, and periodical articles in English and French published predominantly in 1970 offers information on various aspects of education in Algeria, Libya, Morocco, and Tunisia. Emphasis is placed on sections dealing with educational organization in primary, secondary, vocational, and higher education and the structure of educational organization in North Africa. Less extensive sections deal with educational philosophy, administration, statistics, and cooperation; adult, teacher, religious, artistic, and special education; and teaching aids and special problems. English translations of foreign titles are provided and the country under consideration is noted. See also ED 038 074.

68. ---. Selected Bibliography of Educational Materials: Algeria, Libya, Morocco, Tunisia. IV, No. 3. Tunis, Tunisia: Agence Tunisienne de Public Relations, 1970. 48p.
ED 043 967. HC not available.

This report, part of a series of educational bibliographies from the Mahgreb countries (Algeria, Morocco, and Tunisia) and Libya, consists of excepts from periodicals published in those countries. Each entry is marked to indicate the particular country. The articles are organized under 13 major subjects that include: the structure of

educational organization in North Africa; adult education; teacher training; and religious, artistic and special education. (Not available in hard copy due to marginal legibility of original document.)

69. ---. Selected Bibliography of Educational Materials: Algeria, Libya, Morocco, Tunisia. IV, No. 4. Tunis, Tunisia: Agence Tunisienne de Public Relations, 1970. 39p.
ED 047 585. HC not available

A 100-item bibliography with abstracts of books, newspaper articles, and periodical articles in English and French published predominantly in 1970 offers information on various aspects of education in Algeria, Libya, Morocco, and Tunisia. Emphasis is placed on sections dealing with educational philosophy, administration, statistics, and cooperation; adult, teacher, religious, artistic, and special education; and teaching aids and special problems. English translations of foreign titles are provided and the country under consideration is noted.

70. Bierschenk, Bernhard. Television as a Technical Aid in Education and in Educational and Psychological Research: A Bibliographical Account of German Literature. Malmo, Sweden: School of Education, Department of Educational and Psychological Research, May 1971. 60p.
ED 053 616

This is the third in a series of bibliographies resulting from two decades of research on the use of television as a technical aid in education and in educational and psychological research. The works listed are all in German and appeared from 1960 through 1970. Four major sections include general problems, television in schools, teacher training, and surveys of television in general and television in schools. To facilitate the use of this bibliography four indexes have been provided which list general abbreviations used for periodicals, authors, and anonymously written works.

71. Central Institute for Scientific, Technical and Economic Information. Selected Bibliography of Polish Educational Materials. IX, No. 3. Warsaw, Poland: the Institute, Scientific Publications Foreign Cooperation Center, 1970. 61p.
ED 046 823

Lengthy abstracts in English are provided for each of the items listed in this bibliography of Polish materials on education. Contents are organized as follows: history of education, laws and legislation, general information on education, social and educational sciences, the teacher's profession, schools and institutions (by type or level), and miscellaneous topics. Most of the materials cited in this issue were published between February and May 1969. Related documents are ED 041 281 and ED 053 020.

72. D'Antoni, Susan. comp. Continuing Education in the Professions: A Selected Bibliography. Toronto: Ontario Institute for Studies in Education, Department of Adult Education [1970]. 19p. ED 052 465

A list of works dealing with adult education in professional fields is given. One hundred and fifty citations are listed. Ordering information for documents cited is also provided.

73. Goard, Dean S., and Gary Dickinson, comp. Rural British Columbia. A Bibliography of Social and Economic Research. Vancouver: University of British Columbia, 1970. 33p. ED 040 779

The bibliography cites social and economic research pertaining to rural British Columbia. Some 286 entries cover research from before 1940 through 1969. Analysis of the entries by date and source of publication precedes the main list of entries, which is arranged alphabetically by author. Separate indexes are included for author, subject, and geographical area. It is noted that the departments of the provincial government have published 28.0 percent of the entries listed, compared to 11,9 percent for the federal government departments and 2.1 percent for the municipal governments. Student theses account for 21.7 percent, journal articles 15.8 percent, and university publications 14.3 percent. A list is given of socio-economic survey reports on 14 locations throughout British Columbia and of special studies on the influence of education and age on participation in rural adult education; community structure and participation in adult education; and socio-economic factors related to farm size, farm income, and efficiency.

74. Jayasuriya, J.E., comp. Ceylon Education Abstracts: January 1, 1966-December 31, 1967. I, No. 4. Washington, D.C.: National Science Foundation, 1970. 73p. ED 042 170. HC not available.

"Ceylon Education Abstracts" attempts a coverage of the more significant materials published in Ceylon on various aspects of education. This is the fourth and concluding part of Volume 1. The four parts of Volume 1 have dealt with the materials published during the period January 1, 1957 to December 31, 1967. Where the title of an entry is not in English, it is in Sinahalese with an English translation. A few titles are in Tamil, and in such cases the words "in Tamil" appear at the end of the abstract. A list of the newspapers and the periodicals from which the material has been selected, and an author index are given at the end.

75. Joseph, A., and others, eds. Indian Educational Material. Annotated Quarterly Bibliography. V, No. 2. Delhi: Indian National Scientific Documentation Centre, June 1970. 85p. ED 049 989

The documentation center has produced this annotated bibliography on education in India. Some of the many topics covered by the 394 documents are educational administration and organization, policy and planning, the brain drain; educational history, educational sociology, educational psychology, research; curriculum, courses of study; teaching methods, instructional materials and aids, general educational methods; academic achievement, examination and evaluation, tests and measurement, student selection; guidance and counseling, health care, physical education, literacy, special education, language problem, student discipline; teacher education; and primary education, secondary education, higher education, adult education, vocational and technical education, women education, labor education. There are empirical studies included; however, some are analytical or philosophical in nature. In addition, a special section is devoted to the economics of education. ED 041 683 and ED 043 437 are other documents in this series.

76. Rancier, Gordon J., and W. Michael Brooke. An Annotated Bibliography of Adult Basic Education. Ottawa, Ontario: Candian Department of Regional Economic Expansion, August 1970. 280p.
ED 050 328. Not available from EDRS

A compilation of adult programs available in Canadian schools is given. Included are: an annotated bibliography of instructional material, an annotated bibliography of literature, and four appendices.

77. Saad, Ismail, ed. Selected Bibliography and Abstracts of Educational Materials in Pakistan. IV, No. 4. Washington, D.C.: Department of Health, Education, and Welfare, Office of Education, December 1970. 71p.
ED 049 990

This selected list of 121 citations on the public education system of Pakistan is annotated to give the description and appropriate level of each document. Entries are arranged according to 33 major topics: education administration, organization, and finance; educational history, educational philosophy; educational development, objectives, planning, and reforms; curriculum, language teaching, psychology, sociology, science education; teaching methods, media, textbooks; teachers and teacher education; extra-curricular activities, educational problems, student problems, literacy; childhood education, elementary and secondary education, higher education, Islamic education, medical education, professional education, adult education, womens education, agricultural education, technical education. In addition, there is a special section on the examination system in Pakistan. Other documents in this series are ED 031 115, ED 032 820, ED 035 305, ED 035 337, ED 036 801, ED 043 963, and ED 044 807.

78. United Nations Education, Scientific, and Cultural Organization. Documents on Adult Education and Literacy: A Bibliography of Selected Documents. Bangkok, Thailand: United Nations Education, Scientific, and Cultural Organization, March 1971. 44p.
ED 052 451

This document is an unannotated bibliography of 388 important documents on the subject of adult education and literacy contained in the library of the UNESCO regional office for education in Asia.

79. Van Der AA, H.J., ed. Computers and Education: An International Bibliography on Computer Education. Amsterdam: Netherlands Center for Informatics, 1970. 115p.
ED 053 554. Not available from EDRS

Containing abstracts of over 1800 books and articles that have appeared in English, German and French, this bibliography is intended to provide information about computers in education. While the main emphasis is on computers in education, educational technology involving programmed instruction, television, and learning theory, as well as various non-instructional uses of computers (student records, scheduling, administration) are also covered. Abstracts are grouped by subjects: computers in primary schools, in secondary schools, and in colleges; educational technology; college level computer courses; training for computer-oriented professions; bibliographies; and introductory and advanced computer science material. Entries are cross-referenced, and a combined subject-author index is appended.

80. Wood, W.D., and H.F. Campbell. Cost-Benefit Analysis and the Economics of Investment in Human Resources. An Annotated Bibliography. Kingston, Ontario: Queen's University, Industrial Relations Centre, 1970. 217p.
ED 045 848. HC not available.

This annotated bibliography presents 389 citations of periodical articles, monographs, and books and represents a survey of the literature as related to the theory and application of cost-benefit analysis. Listings are arranged alphabetically in these eight sections: human capital; theory and application of cost-benefit analysis; theoretical problems in measuring benefits and costs; investment criteria and the social discount rate; schooling; training, retraining and mobility; health; and poverty and social welfare. Individual entries include author, title, source information, "headings" of the various sections of the document which provide a brief indication of content and an annotation. This bibliography has been designed to serve as an analytical reference for both the academic scholar and the policy-maker in this area.

81. Yugoslav Institute for Educational Research. Selected Bibliography of Yugoslav Educational Materials. VII, No. 1. Belgrade: the Institute, 1971. 52p.
ED 055 959

English translations of annotations of 97 Serbo-Croatian documents are presented in this issue. Annotations are grouped under the following topics: history of education, educational research, development of education, school reform, teacher training and teaching staff, schools and institutions, curricula and syllabi, audio-visual aids, motivation, problems in education, management and financing, and legislation. Other issues in ERIC are ED 043 961, ED 049 995, and ED 051 710.

SUBJECT INDEX

Adult Education, 1, 2, 23, 25, 27, 30, 35, 38, 39, 47, 48, 52, 53, 54, 60, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 81

Aerospace Technology, 56

Agricultural Education, 12, 13

Agriculture, 5

Aircraft Pilots, 50

Aurally Handicapped, 19

Auto Mechanics (Occupation), 50

Aviation Mechanics, 50

Bureaucracy, 8

Business, 28

Business Education, 13, 62

Career Choice, 33, 63

Career Opportunities, 6, 40, 56, 79

Career Planning, 7, 57

Child Welfare, 44

City Government, 55

Communications, 61

Computer Science Education, 79

Correspondence Study, 53

Counseling, 1

Cultural Factors, 74

Demonstration Projects, 44

Disadvantaged Groups, 1, 29, 36, 54, 57, 64

Disadvantaged Youth, 18, 40, 41, 42, 43, 59

Distributive Education, 4, 13

Dropouts, 31, 41, 59

Economics, 21, 23

Employment Opportunities, 9, 10, 11, 12, 37, 42, 43, 49, 57, 58, 65

Enlisted Men, 29

Exceptional Child Education, 3, 19, 20

Federal Government, 29, 55

Federal Programs, 29, 57

Females, 6, 11

Food Processing Occupations, 51

Food Service Occupations, 51

Handicapped Children, 18, 20

Health, 63

Health Occupations Education, 10, 13, 49

Home Economics Education, 13, 37, 58

Homemaking Education, 1, 36

Human Resources, 80

Human Services, 64

Immigrants, 9

Independent Study, 18, 60

Industrial Arts, 13, 45, 46

Industrial Education, 45, 46

Industrial Training, 54

Industry, 5, 28, 61

Job Skills, 41, 50

Junior Colleges, 22, 40, 47

Labor Unions, 9

Law Enforcement, 2

Management Development 28, 30, 54
32

Manpower Development, 5, 10, 21, 26, 28, 29, 42, 57, 62

Manpower Needs, 5, 37, 49

Manpower Utilization, 5, 9, 10, 57

Marketing, 51

Mentally Handicapped, 3, 19

Migration, 9

Military Personnel, 53

Military Training, 28, 54

Occupational Choice, 6, 65

Occupational Guidance, 7, 21, 32, 59, 61

Occupational Information, 5, 7, 11, 21, 33, 61

Office Occupations Education, 28, 62

Organizational Change, 8

Parent Education, 27

Personnel Selection, 38

Police Seminars, 2

Political Influences, 8

Professional Occupations, 64, 72

Professional Recognition, 6

Public Affairs Education, 27

Religion, 63

Rural Areas, 73

Rural Development 54

State Government, 55

State Programs, 3

Supervisory Training, 30

Teacher Education, 12, 35, 37, 58, 62, 66, 67, 68, 69, 70, 71, 74, 75, 77, 81

Technical Education, 13, 14, 15, 16, 17, 34, 45, 46

Trade and Industrial Education, 13, 45, 46, 59

Transportation, 50, 61

White Collar Occupations, 64

Women's Education 1, 6, 30

Work Experience Programs, 4, 59

INSTITUTION INDEX

Adult Education Association of U.S.A., 1, 2, 25, 38

Agence Tunisienne de Public Relations, 66, 67, 68, 69

American Association for Higher Education, 47

American Association of School Administrators, 4

American Council on Industrial Arts Teacher Education, 45, 46

Arizona State Employment Security Commission, 5

Canadian Department of Regional Economic Expansion, 76

Case Western Reserve University, Department of Sociology, 64

Central Institute for Scientific, Technical, and Economic Information (Warsaw, Poland), 71

City University of New York, Brooklyn College, 9

Columbia University, 41, 42, 43

Council for Exceptional Children, 19, 20

Council for Planning Librarians, 10

Department of Labor Library, 26

ERIC Clearinghouse on Adult Education, 24, 25, 28, 29, 30, 38, 39, 53, 54

ERIC Clearinghouse on Counseling and Personnel Services, 31, 32, 33

ERIC Clearinghouse on Educational Administration, 4

ERIC Clearinghouse on Teacher Education, 40

ERIC Clearinghouse on the Urban Disadvantaged, 41, 42, 43

Henderson State College, M.H. Russell Center for Economics Education, 21

Illinois State Board of Vocational Education and Rehabilitation, 7

Indian National Scientific Documentation Center, 75

Institute of Life Insurance, 6

Library of Congress, 18

Malmo School of Education (Sweden), 70

Michigan State University, College of Education, 48

National Civil Service League, 57

National Advisory Council on Vocational Education, 55

National Aerospace Education Council, 56

National Association of Industrial and Technical Teacher Educators, 46

National Science Foundation, 74

Netherlands Center for Informatics, 79

Newark State College, Adult Education Resource Center, 35

New Hampshire State Department of Education, 59

Office of Education, DHEW, 77

Ohio State University, Center for Adult Education, 60

Ohio State University, Center for Vocational and Technical Education, 12, 13, 14, 15, 16, 17, 36, 37, 49, 50, 51, 58, 62

Ontario Institute for Studies in Education, 72

Oregon State Department of Education, 61

Pennsylvania State University, Department of Vocational Education, 34

Queen's University (Kingston, Ontario), 80

Social and Rehabilitation Service, DHEW, 44

Stanford University, Center for Research and Development in Teaching, 8

United Nations Education, Scientific, and Cultural Organization, 78

University of British Columbia, 73

University of Chicago, National Opinion Research Center, 63

University of New York, Center for Economic Education, 23

University of Southern Illinois, 7

University of Syracuse, 24, 25, 28, 29, 30, 38, 39, 53, 54

University of Syracuse, Research Corporation and Educational Policy Research Center, 52

University of Texas, College of Education, 3

University Research Corporation, 6

Wright State University, 27

Yugoslav Institute for Educational Research, 81

CROSS REFERENCE BETWEEN ED NUMBERS AND ENTRY NUMBERS

ED Number	Entry
035 780	41
035 789	28
036 482	40
036 661	43
036 662	42
036 676	29
036 908	8
037 583	45
037 584	13
038 074	66
038 513	59
038 519	58
038 520	62
038 551	54
038 907	47
039 336	36
039 367	14
039 370	15
039 373	31
039 374	32
039 375	33
039 572	63
040 275	12
040 550	3
040 779	73
040 882	56
041 124	5
041 159	13
041 281	71
041 522	67
042 036	14
042 060	15
042 122	1
042 170	74
042 217	7
042 866	57
042 929	16
042 930	13
042 962	30
043 535	23
043 967	68
044 107	22
044 500	9
044 507	49
044 537	24
044 603	27
045 475	21
045 804	10
045 814	50
045 820	51
045 848	80
048 853	13
045 857	14
045 860	15
045 866	25
046 823	71
047 163	53
047 232	60
047 585	69
048 514	13
048 516	14
048 664	4
049 385	15
049 391	46
049 989	75
049 990	77
050 275	37
050 287	55
050 328	76
051 432	15
051 433	14
041 571	52
051 592	19
052 377	61
052 378	44
052 382	13
052 383	34
052 450	39
052 451	78
052 465	72
053 020	71
053 336	13
053 367	48
053 515	20
053 554	79
053 590	35
053 616	70
054 363	26
054 400	2
055 959	81
056 263	38
056 268	64
056 486	18
056 271	6
057 257	17

ABOUT ERIC

The Educational Resources Information Center (ERIC) forms a nationwide information system established by the U.S. Office of Education, designed to serve and advance American education. Its basic objective is to provide ideas and information on significant current documents (e.g., research reports, articles, theoretical papers, program descriptions, published and unpublished conference papers, newsletters, and curriculum guides or studies) and to publicize the availability of such documents. Central ERIC is the term given to the function of the U.S. Office of Education, which provides policy, coordination, training funds, and general services to 19 clearinghouses in the information system. Each clearinghouse focuses its activities on a separate subject-matter area; acquires, evaluates, abstracts, and indexes documents; processes many significant documents into the ERIC system; and publicizes available ideas and information to the education community through its own publications, those of Central ERIC, and other educational media.

TEACHER EDUCATION AND ERIC

The ERIC Clearinghouse on Teacher Education, established June 20, 1968, is sponsored by three professional groups--the American Association of Colleges for Teacher Education (fiscal agent); the Association of Teacher Educators, a national affiliate of the National Education Association; and the Division of Instruction and Professional Development, National Education Association. It is located at One Dupont Circle, Washington, D.C. 20036.

SCOPE OF CLEARINGHOUSE ACTIVITIES

Users of this guide are encouraged to send to the ERIC Clearinghouse on Teacher Education documents related to its scope, a statement of which follows:

> *The Clearinghouse is responsible for research reports, curriculum descriptions, theoretical papers, addresses, and other materials relative to the preparation of school personnel (nursery, elementary, secondary, and supporting school personnel); the preparation and development of teacher educators; and the profession of teaching. The scope includes the preparation and continuing development of all instructional personnel, their functions and roles. While the major interest of the Clearinghouse is professional preparation and practice in America, it also is interested in international aspects of the field.*

The scope also guides the Clearinghouse's Advisory and Policy Council and staff in decision making relative to the commissioning of monographs, bibliographies, and directories. The scope is a flexible guide in the idea and information needs of those concerned with pre- and in-service preparation of school personnel and the profession of teaching.

ERIC DOCUMENT REPRODUCTION SERVICE
LEASCO INFORMATION PRODUCTS, INC.

P.O. Drawer O, Bethesda, Md. 20014

REPORTS

ON-DEMAND ORDER BLANK

BILL TO: _____ **SHIP TO:** _____

PURCHASE ORDER NO. _____

REPORTS TO BE ORDERED

ITEM	ED Number	Number of Copies MF	Number of Copies HC	PRICE (see reverse)	TOTAL PRICE
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
				SUB-TOTAL	
				TAX	
				TOTAL	

☐ TAX NUMBER _____

☐ DEPOSIT ACCT. NUMBER _____

☐ CHARGE (OVER $10.00) _____

☐ CHECK NUMBER _____

HOW TO ORDER

To order ERIC REPORTS include complete information for all order form items. Please print or type all information clearly.

1. Complete "bill to" and "ship to" addresses. Be sure to complete "ship to" address if different from "bill to". A like "ship to" address may be completed as "SAME". Include zip code.

2. Order by printing ED number in designated space. ED accession numbers are listed in Research in Education (RIE). RIE may be purchased from: Superintendent of Documents, GPO, Washington, D.C. 20402.

3. Include number of copies (1, 2, 3, etc.) to be ordered in appropriate space. Use MF space for microfiche copies, use HC space for hard copy (paper). *Check RIE for availability of document in MF and HC.*

4. Include price from the rate schedule. (Refer to price schedule on back.) Prices are also published in current issues of RIE.

5. Some ED numbers represent a series of titles, and will be billed by title, not ED number. A list of applicable ED numbers is available.

6. Extend number of copies and price for total price for each entry.

7. Add items 1 through 15 and insert amount in "Sub-Total" box.

8. Add state sales tax for Illinois and Maryland or check box and cite tax exemption number for Illinois and Maryland only.

9. Add "Sub-Total" and "Tax" and insert amount in "Total" box.

10. Indicate payment method desired. Payment must accompany all orders of $10.00 or less. Make all drafts payable to EDRS.

11. Sign AUTHORIZATION and date order.

12. Include only 15 entries per form. Complete and sign additional forms if required.

13. Quality warranty. LIPCO will replace products returned because of reproduction defects or incompleteness. The quality of the input document is not the responsibility of LIPCO. Best available copy will be supplied.

ERIC DOCUMENT REPRODUCTION SERVICE is operated by Leasco Information Products, Inc. for the U.S. Office of Education.

Orders are filled only from ED accession numbers. Titles are not checked. *Please be sure you have supplied the correct numbers.*

AUTHORIZATION _____ DATE _____

TITLE OR DEPT. _____

**SUBJECT TO ALL TERMS AND CONDITIONS ON REVERSE SIDE OF THIS FORM.*

MAKE ALL DRAFTS PAYABLE TO EDRS

PRICE LIST

Microfiche Copy – Each Title		.65
Hard Copy – Each Title by number of pages:		
Pages:	1 - 100	3.29
	101 - 200	6.58
	201 - 300	9.87
	301 - 400	13.16
	401 - 500	16.45
Each Additional 100 pages or portion thereof.		3.29

1. Book Rate or Library Rate postage is included in above prices.
2. The difference between Book Rate or Library Rate and first class or foreign postage (outside the continental United States) rate will be billed at cost.

TERMS AND CONDITIONS

1. PRICE LIST

The prices set forth above may be changed without notice; however, any price change will be subject to the approval of the U.S. Office of Education Contracting Officer.

2. PAYMENT

The prices set forth above do not include any sales, use, excise, or similar taxes which may apply to the sale of microfiche or hard copy to the Customer. The cost of such taxes, if any, shall be borne by the Customer.

Payment shall be made net thirty (30) days from date of invoice. Payment shall be without expense to LIPCO.

3. REPRODUCTION

Materials supplied hereunder may only be reproduced by not-for-profit educational institutions and organizations; provided however, that express permission to reproduce a copyrighted document provided hereunder must be obtained in writing from the copyright holder noted on the title page of such copyrighted document.

4. CONTINGENCIES

LIPCO shall not be liable to Customer or any other person for any failure or delay in the performance of any obligation if such failure of delay, (a) is due to events beyond the control of LIPCO including, but not limited to, fire, storm, flood, earthquake, explosion, accident, acts of the public enemy, strikes, lockouts, labor disputes, labor shortage, work stoppages, transportation embargoes or delays, failure or shortage of materials, supplies or machinery, acts of God, or acts or regulations or priorities of the federal, state, or local governments, (b) is due to failures of performance of subcontractors beyond LIPCO's control and without negligence on the part of LIPCO, or (c) is due to erroneous or incomplete information furnished by Customer.

5. LIABILITY

LIPCO's liability, if any, arising hereunder shall not exceed restitution of charges.

In no event shall LIPCO be liable for special, consequential, or liquidated damages arising from the provision of services hereunder.

6. WARRANTY

LIPCO MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO ANY MATTER WHATSOEVER, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

7. CHANGES

No waiver, alteration, or modification of any of the provisions hereof shall be binding unless in writing and signed by an officer of LIPCO.

8. DEFAULT AND WAIVER

a. If Customer fails with respect to this or any other agreement with LIPCO to pay any invoice when due or to accept any shipment as ordered, LIPCO may without prejudice to other remedies defer any further shipments until the default is corrected, or cancel this Purchase Order.

b. No course of conduct nor any delay of LIPCO in exercising any right hereunder shall waive any rights of LIPCO or modify this Agreement.

9. GOVERNING LAW

This Agreement shall be construed to be between merchants. Any question concerning its validity, construction, or performance shall be governed by the laws of the State of New York.

This publication was prepared pursuant to a contract with the U.S. Department of Health, Education, and Welfare, Office of Education; Contract number OEC-0-8-080490-3706-(010). Contractors undertaking such projects under Government sponsorship are encouraged to express their judgment in professional and technical matters. Points of view or opinions do not, therefore, necessarily represent official Office of Education position or policy.